

Title (en)

Chemically sensitive semiconductor devices and their production.

Title (de)

Auf chemische Stoffe empfindliche Halbleiterbauelemente und ihr Herstellungsverfahren.

Title (fr)

Dispositifs à semi-conducteurs sensibles aux produits chimiques et leur procédé de fabrication.

Publication

EP 0211609 A2 19870225 (EN)

Application

EP 86305852 A 19860730

Priority

GB 8519373 A 19850801

Abstract (en)

A process for producing encapsulated semiconductor devices, which comprises using planar semiconductor-device-forming technique known per se to form a plurality of spaced semiconductor devices on a wafer, etching between the devices so formed, and passivating the etched array of devices, wherein:- (a) the wafer is mounted on an inert solid sheet substrate; (b) after application of the per se - known semiconductor-device-forming technique to the wafer, a selective etching process is applied to divide the mounted wafer into a plurality of separate portions of the wafer material carrying semiconductor devices, each portion mounted on the substrate; (c) a passivating process is applied to the devices to cover them with passivating material and this is followed afterwards by etching to reveal locations for ohmic connections thereon; and (d) the devices are then separated by cutting or breaking the substrate sheet into portions carrying semiconductor devices in which no part of the semiconductor-wafer materials (except ohmic contact locations) is left uncovered by passivating material.

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G01N 27/00; **H01L 21/78**; **H01L 23/28**

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CPC (source: EP)

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Cited by

EP0315788A3; EP0315790A1; US6040235A; US6117707A; US5455455A; US5716759A; US10585092B2; WO2013112541A3; WO9407267A1

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